

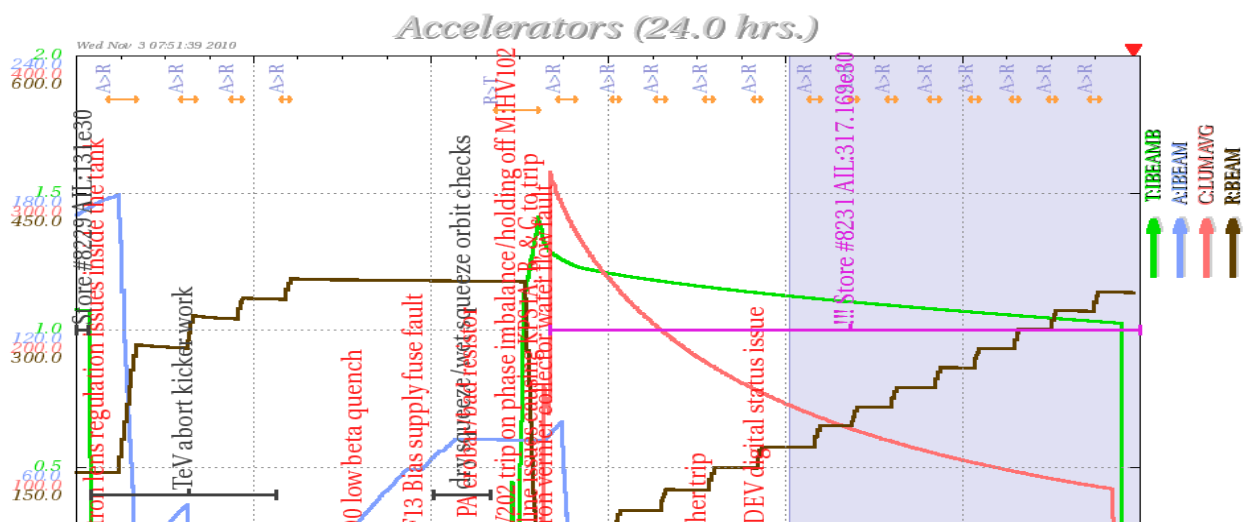
Wednesday, November 03, 2010  
7:45 AM

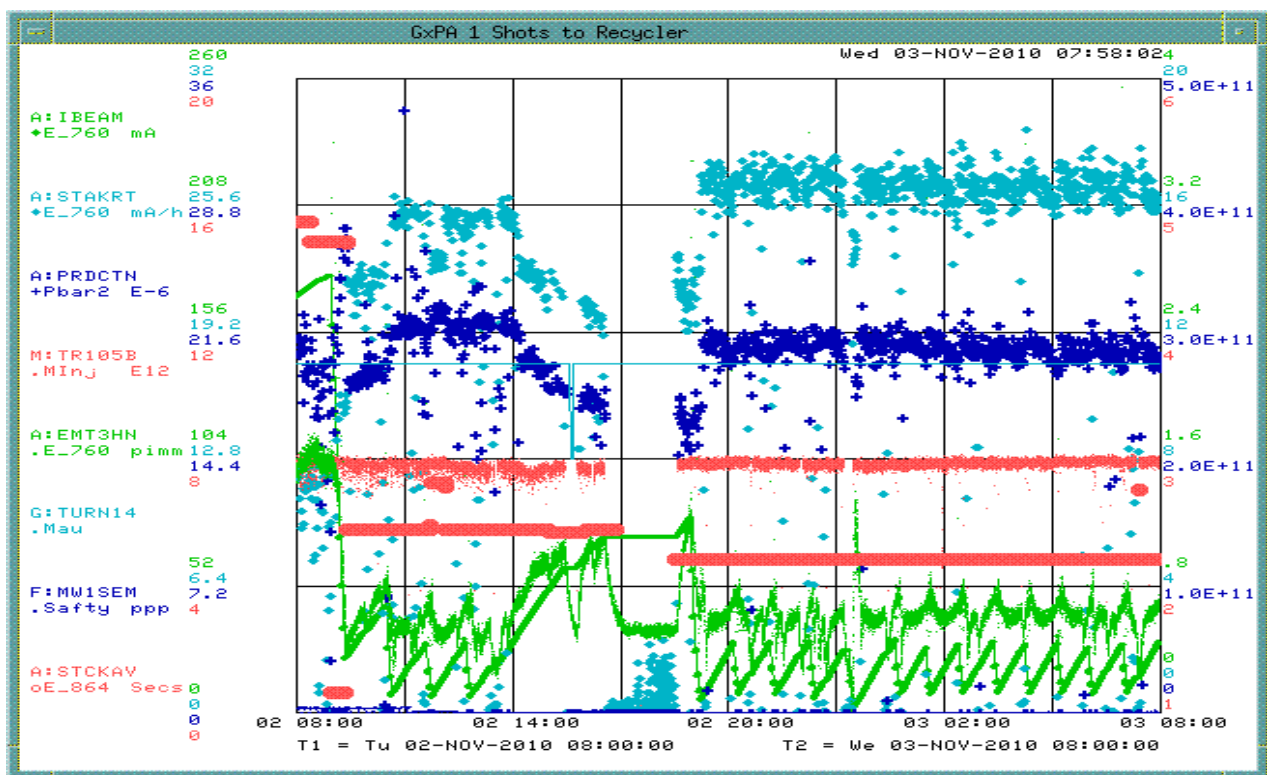
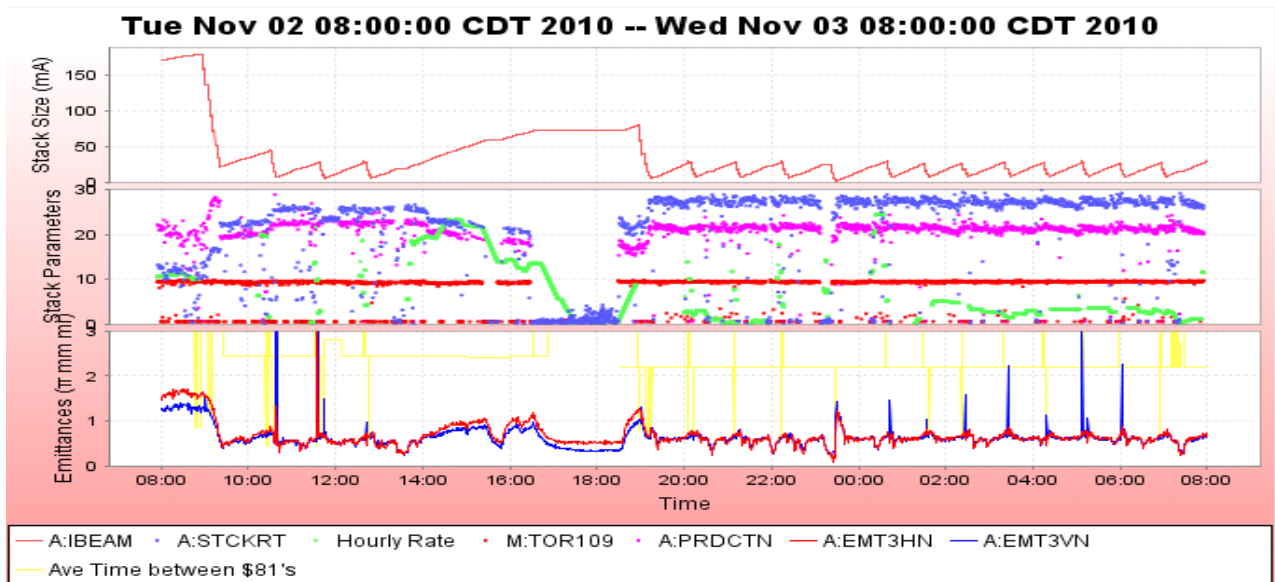
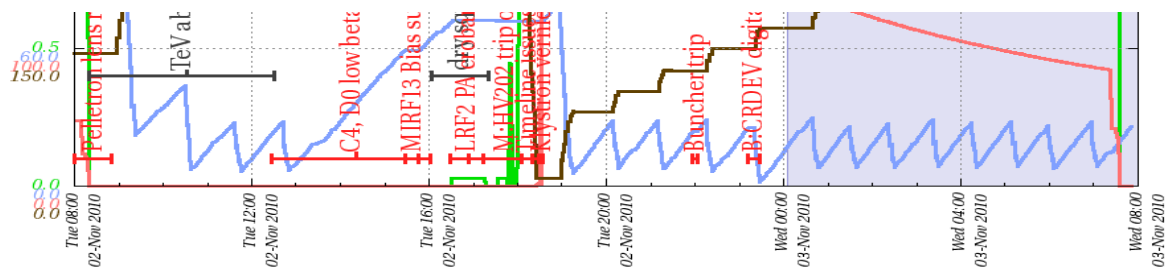
## Stacking and Transfers

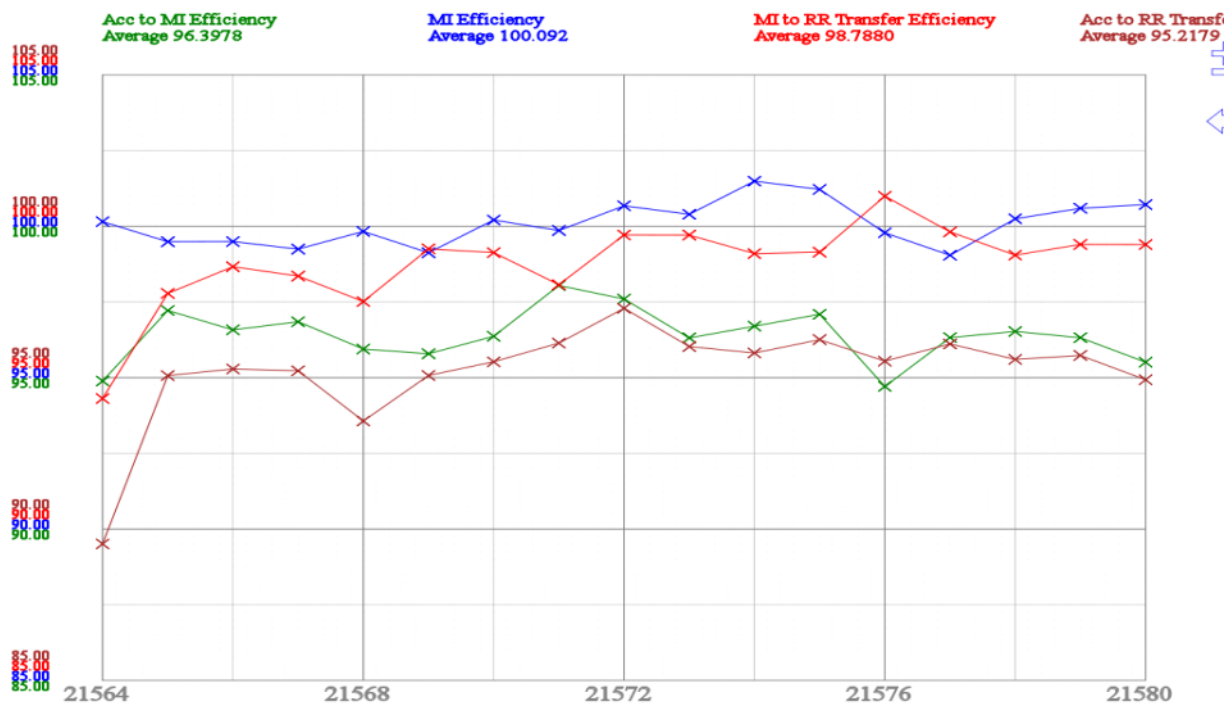
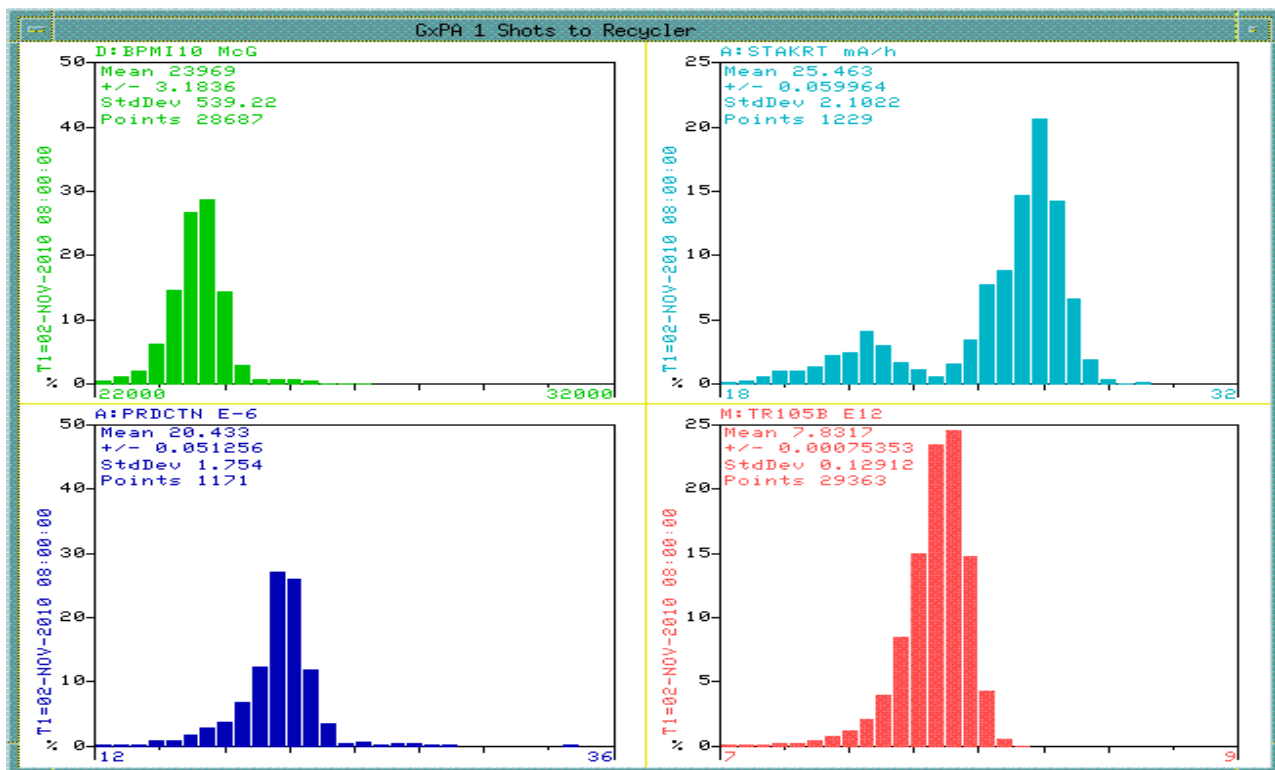
## Numbers

- Stacking
  - Pbars stacked: 476.24 E10
  - Time stacking: 22.68 Hr
  - Average stacking rate: 21.00 E10/Hr
- Uptime
  - Number of pulses while in stacking mode: 33874
  - Number of pulses with beam: 29285
  - Fraction of up pulses was: 86.45%
- The uptime's effect on the stacking numbers
  - Corrected time stacking: 19.61 Hr
  - Possible average stacking rate: 24.29 E10/Hr
  - Could have stacked: 550.87 E10/Hr
- Recycler Transfers
  - Pbars sent to the Recycler: 607.96 E10
  - Number of transfers : 59
  - Number of transfer sets: 17
  - Average Number of transfer per set: 3.47
  - Time taken to shoot including reverse proton tuneup: 00.21 Hr
  - Transfer efficiency: 93.09%
- Other Info
  - Average POT : 7.83 E12
  - Average production: 20.78 pbars/E6 protons

## Plots







Column 1 Number _0_Pbar Transfer Shot #	Column 4 Number_3 Transfer Time	Column 21 Number _20_A-I BEAMB sampled on \$91 (A:BEA M7), E10	Column 22 Number _21_A-I BEAMB sampled on \$94 (A:BEA M9), E10	Unstacked (mA)	Column 23 Number _22_R- BEAMS (R:BEA ME0[0]) pre fer E10	Column 24 Number _23_R- BEAM (R:BEA ME0[1]) post fer, E10	Stashed	Acc to RR Eff	Acc to MI Eff	Acc to MI2 Eff	Acc to MI * Acc to MI2 Efficiency	Trans fers	Sets	Column 5 Number_ 4_Acc Horizont al Emittanc e	Column 6 Number_ 5_Acc Vertical Emittanc e	Column 8 Number _7_Acc Longitu dinal Emittanc e	
	Totals =>			609.27			569.32	93.44%	95.98%	95.98%	92.12%	59	17	6.4844	6.1241	1.9164	
	Daily Average =>			609.27			569.32					59	17				
21580	Wednesday, November 03, 2010	6:56	28.07	8.19	22.56	321.13	342.26	21.41	94.90%	95.64%	96.12%	91.93%	3	1	6.279	6.113	2.005
21579	Wednesday, November 03, 2010	5:59	26.58	7.70	21.57	301.42	321.88	20.68	95.85%	96.65%	96.78%	93.54%	3	1	6.064	5.975	2.031
21578	Wednesday, November 03, 2010	5:09	28.63	8.32	22.98	280.26	301.98	21.94	95.46%	96.67%	97.25%	94.00%	3	1	6.495	6.052	2.004
21577	Wednesday, November 03, 2010	4:15	27.99	8.05	22.60	259.22	280.75	21.73	96.17%	96.80%	96.12%	93.04%	3	1	6.179	5.76	1.999
21576	Wednesday, November 03, 2010	3:22	29.34	8.37	23.59	237.33	259.66	22.53	95.47%	95.22%	95.15%	90.60%	3	1	6.509	6.195	1.996
21575	Wednesday, November 03, 2010	2:23	27.78	8.03	22.39	216.39	237.76	21.54	96.19%	97.39%	98.08%	95.53%	3	1	6.359	6.065	2.015
21574	Wednesday, November 03, 2010	1:30	26.64	7.47	21.82	195.95	216.72	20.91	95.85%	96.44%	97.60%	94.13%	3	1	6.393	6.129	1.994
21573	Wednesday, November 03, 2010	0:39	30.01	7.91	24.75	172.70	196.25	23.76	95.98%	96.40%	96.79%	93.31%	3	1	6.714	6.337	1.966
21572	Tuesday, November 02, 2010	23:21	25.42	1.55	23.96	149.81	173.02	23.31	97.30%	98.11%	97.80%	95.95%	3	1	2.011	2.769	1.766
21571	Tuesday, November 02, 2010	22:15	29.23	6.06	25.04	126.07	150.03	24.04	96.03%	97.80%	97.56%	95.42%	3	1	5.602	5.529	1.899
21570	Tuesday, November 02, 2010	21:10	29.08	7.73	24.00	103.52	126.30	22.91	95.45%	96.31%	96.29%	92.74%	3	1	6.457	6.3	1.964
21569	Tuesday, November 02, 2010	20:09	28.94	7.73	23.90	81.11	103.73	22.72	95.07%	95.70%	94.81%	90.73%	3	1	6.567	6.359	1.954
21568	Tuesday, November 02, 2010	18:58	80.44	5.41	80.34	8.24	81.47	74.13	92.27%	95.36%	95.43%	91.00%	6	1	8.161	7.121	1.818
21567	Tuesday, November 02, 2010	12:42	28.42	6.50	24.47	334.00	356.83	23.24	94.97%	96.86%	96.37%	93.34%	3	1	5.981	5.936	1.957
21566	Tuesday, November 02, 2010	11:37	28.30	6.25	24.54	312.73	335.65	23.36	95.18%	96.66%	95.68%	92.48%	3	1	5.909	5.865	1.952
21565	Tuesday, November 02, 2010	10:31	44.25	7.32	38.46	280.81	316.33	36.37	94.56%	97.05%	96.57%	93.72%	3	1	6.557	5.961	1.781
21564	Tuesday, November 02, 2010	8:57	179.41	21.97	162.30	144.54	284.84	144.75	89.19%	94.71%	94.88%	89.86%	8	1	11.997	9.643	1.478